Electronic Supplementary Material (ESI) for Dalton Transactions.

Interactions between Mitochondria-Damaging Platinum(IV) Prodrugs and Cytochrome c

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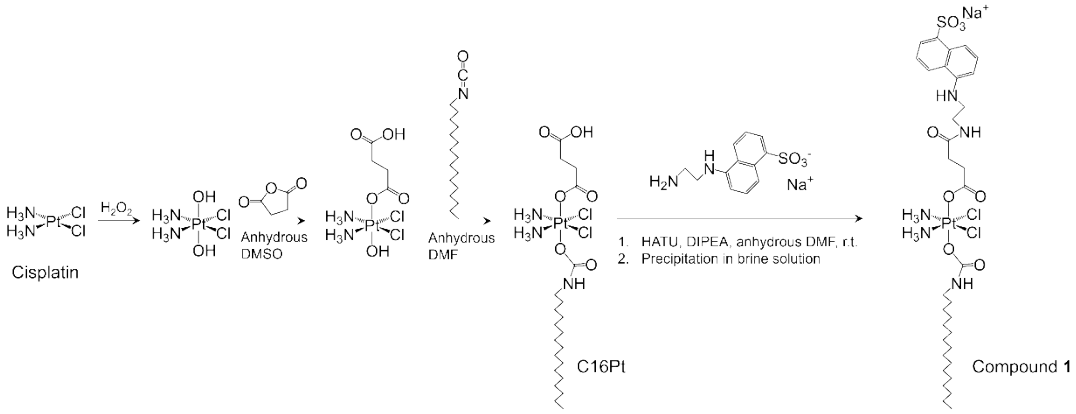

Fig S1. Synthesis of the amphiphilic Pt(IV) prodrug (**1**).

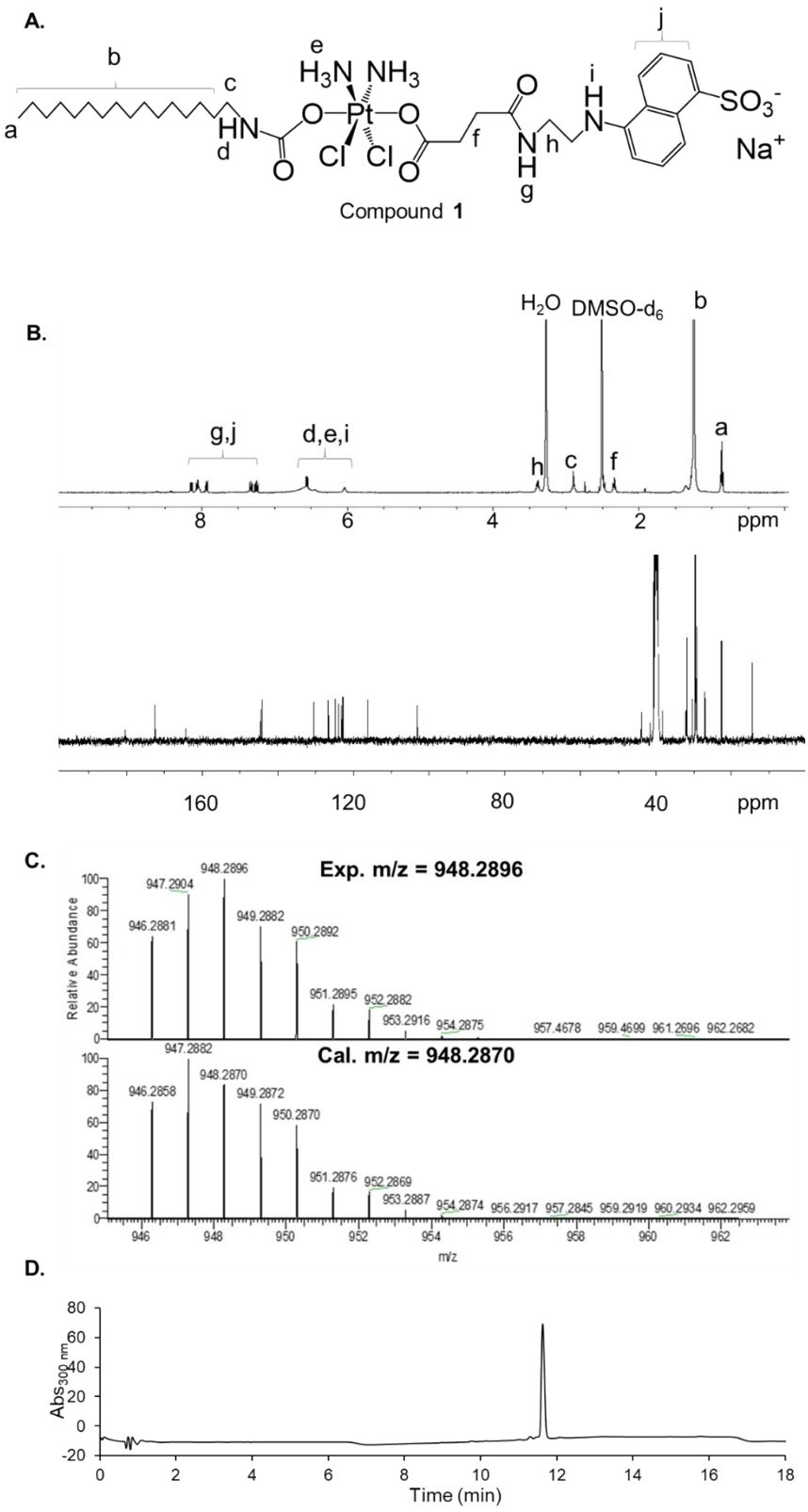

Fig S2. Characterization of Compound **1**: **A.** ^{1}H NMR spectrum in DMSO-d_6; **B.** ^{13}C NMR spectrum in DMSO-d_6; **C.** High resolution ESI-MS spectrum; **D.** Analytic HPLC analysis (Gradient: 0 min 5% B, 5 min 5% B, 10 min 95% B, 15 min 5% B. solvent A is 0.1% TFA aqueous solution and B is acetonitrile).

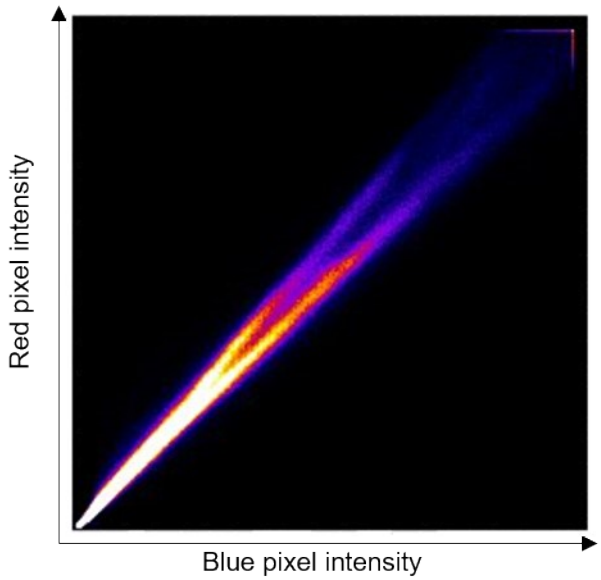

Fig S3. Colocalization analysis of **1** (blue) and Mitotracker Red (red) in Hela cells. Pearson's correlation coefficient (PCC) = 0.993.

Table S1: Concentration values of cytochrome c (measured values are based on UV-vis absorbance data) and Compound **1** (measured with GFAAS) after dialyzed.

Sample	[Cyt c]/μM used	[**1**]/μM used	[Cyt c]/μM measured	[**1**]/μM measured	Ratio ([**1**]/[Cyt c])
Cyt c	50	0	50.0	0	0.0
Cyt c + 1 equiv. **1**	50	50	48.5	49.5	1.0
Cyt c + 2 equiv. **1**	50	100	48.1	97.8	2.0
Cyt c + 3 equiv. **1**	50	150	47.6	145.4	3.1
Cyt c + 4 equiv. **1**	50	200	47.1	195.2	4.1
Cyt c + 5 equiv. **1**	50	250	45.7	193.7	4.2